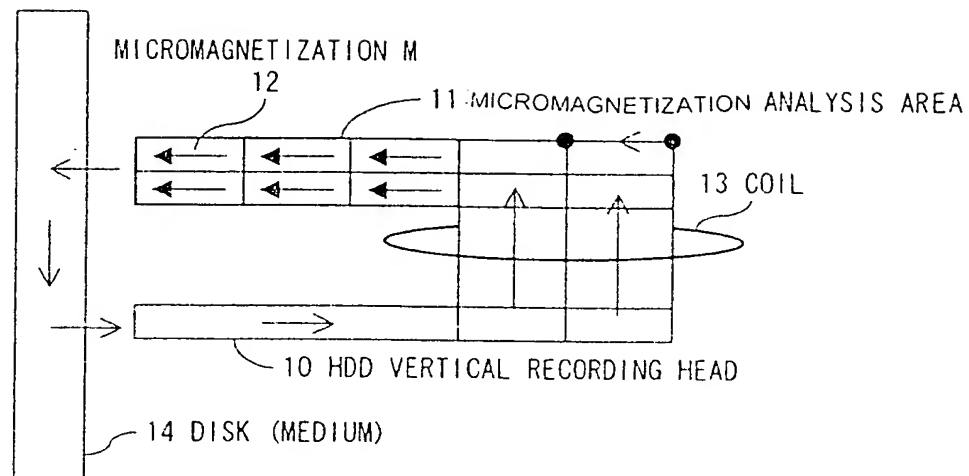


FIG. 1



F I G. 3

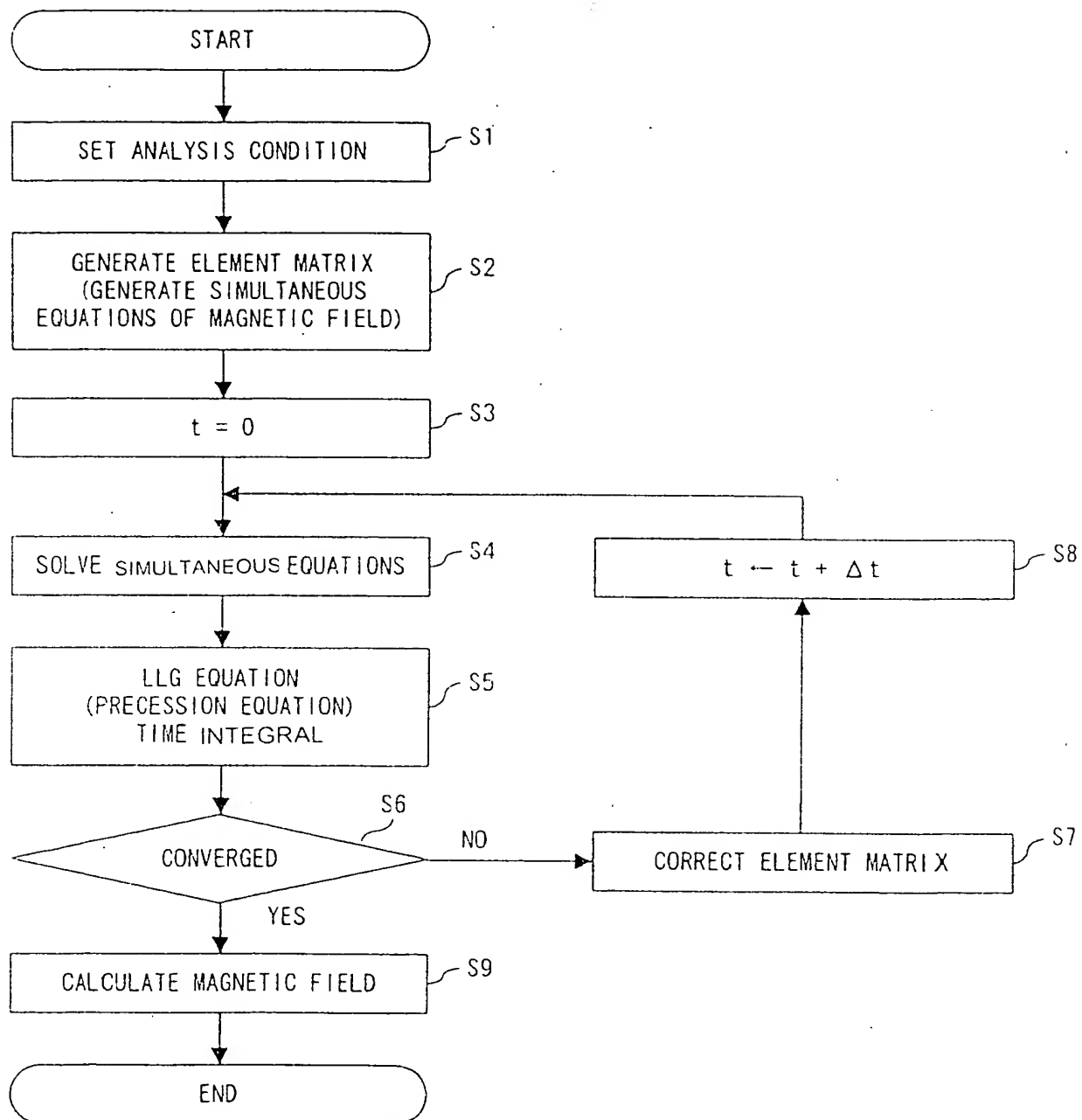


FIG. 4

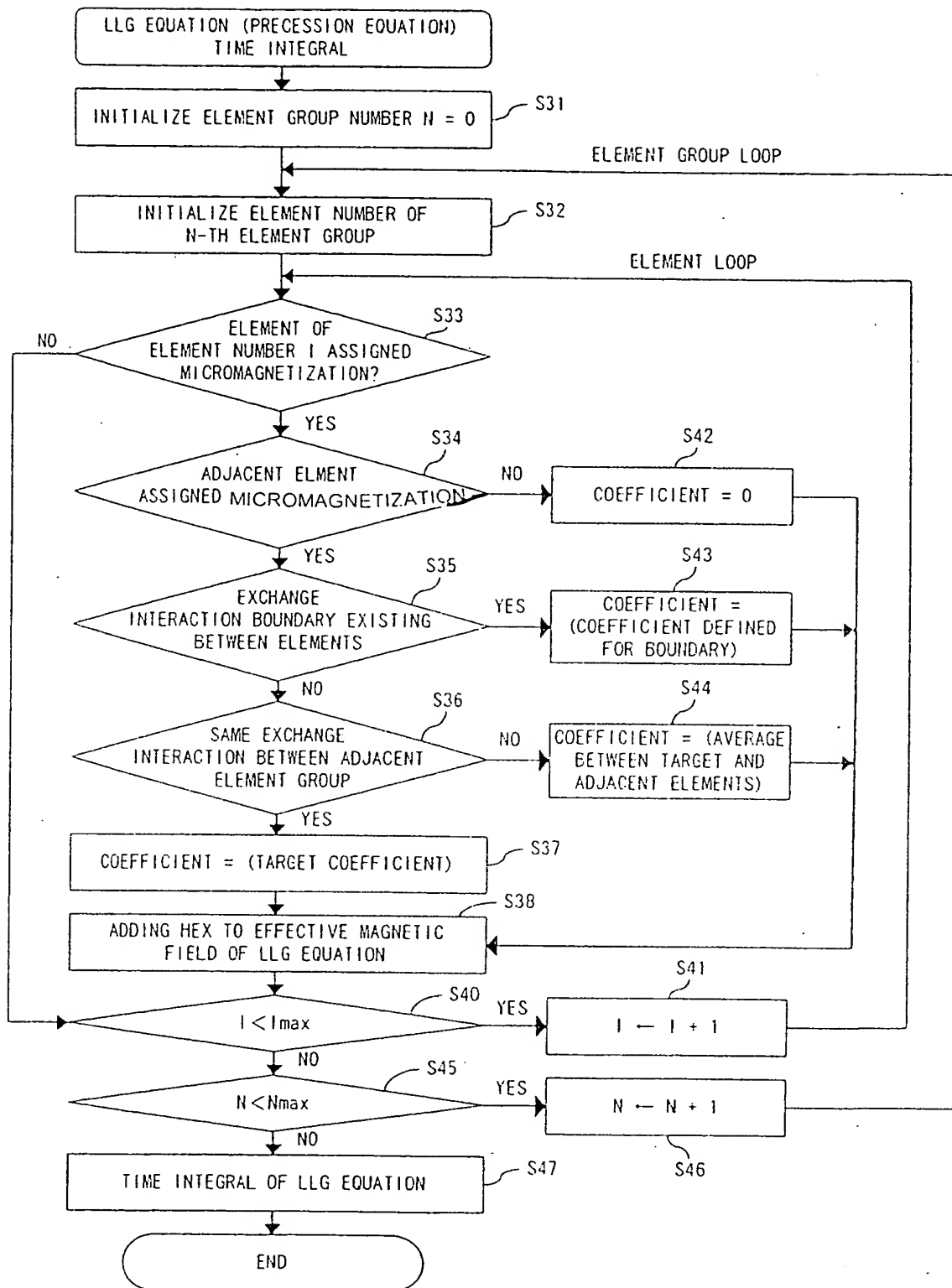


FIG. 11

SETTING GROUP CONIDTON (MAICROMAGNETITATION ANALYSIS)

No = 2

NAME = US

MATERIAL SELECTION

OPTION

NO SETTINGS

AIR

CONDUTOR

MAGNETIC SUBSTANCE

MICROMAGNETIZATION

EXCITING CURRENT

NONLINEATITY

MAGNETIZATION

QUASISTATIONARY MAGNETIZATION FIXING

MAGNETIC PERMEABILITY

DIELECTRIC CONSTANT (1/Ωm)

MAGNETIZATION INTENSITY (T)

MAGNETIZATION X-COMPONENT

MAGNETIZATION Y-COMPONENT

MAGNETIZATION Z-COMPONENT

ID FOR QUASISTATIONARY CALCULATION

NUMBER OF DIVISIONS OF MAGNETIZATION INTENSITY

1.000E+00

1.000E+00

0.000E+00

0.000E+00

0.000E+00

0

1.000E+00

0.000E+00

0.000E+00

0.000E+00

0

1.000E+00

0.000E+00

0.000E+00

0.000E+00

0

112

113

111

110

109

108

107

105

104

106

MICROMAGNETIZATION VARIABLE

FACILITY

AXIS MAGNETIC FIELD (Oe)

MAGNETIZATION INTENSITY (T)

5.000E+00

1.000E+00

EXCHANGE COEFFICIENT (J/M)

FRICTION COEFFICIENT

10.00E-12

1.000E+00

114

FACILITY AXIS DIRECTION

RANDOM

ARRAY

3-DIMENSIONAL

ON X-Y PLANE

ON Y-Z PLANE

ON Z-X PLANE

115

MAGNETIZATION

FORCIBLE

FORCED

X COMPONENT

Y COMPONENT

Z COMPONENT

1.000E+00

0.000E+00

0.000E+00

116

FEATURES OF MAGNETIC FILM

TYPE

FREE

X COMPONENT

Y COMPONENT

Z COMPONENT

0.000E+00

0.000E+00

0.000E+00

117

BONS DILM

BOND ELEMENT

GROUP CONNECTING LAYERS USING EXCHANGE BOND

Hexc(erg/cm2)

Hin, Hua(Oe)

0.000E+00

118

OK

CANNCELED

FIG. 14

SETTING BOUNDARY CONDITION (MICROMAGNETIZATION ANALYSIS)

No = NAME =

119 {

BOUNDARY FOR MAGNETIC FIELD CALCULATION

120 {

BOUNDARY FOR EXCITING CURRENT

121 {

EXCHANGE INTERACTION

EXCHANGE COEFFICIENT (J/m)

122 {

Ax =
Ay =
Az =

123 ϕ =

124 ϕ_m =

125 {

MAGNETIZATION VECTOR FIXING

ID FOR SEMI-STEADY CALCULATION 126

FIG. 15

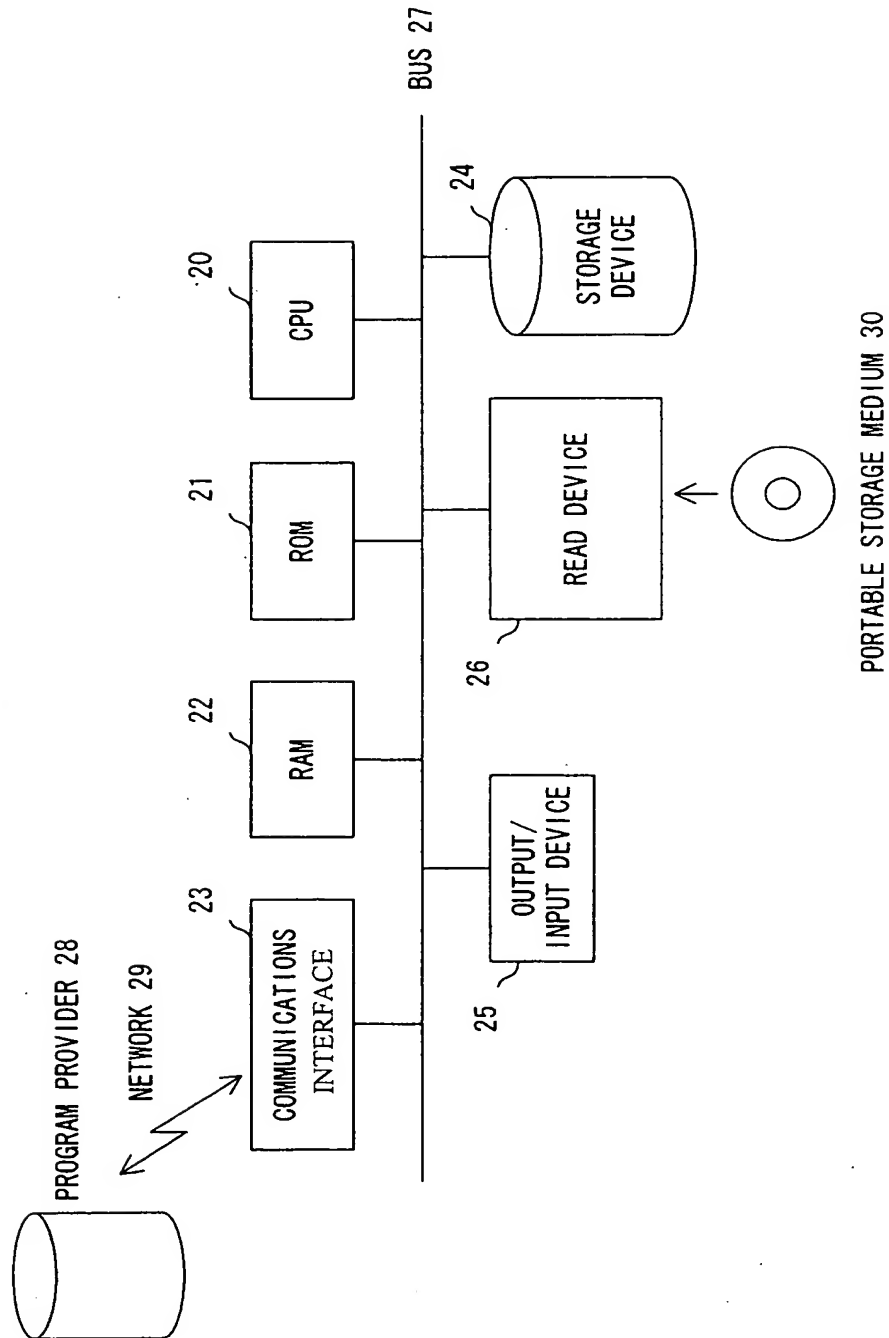


FIG. 16